

FORM PTO-1449

## INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.  
2198.0100001 (as amended)APPLICATION NO.  
9923,398FIRST NAMED INVENTOR  
Hansong ZhangFILING DATE  
August 8, 2001ART UNIT  
2671

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA1					
	AB1					
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## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL1					Yes No
	AM1					Yes No
	AN1					Yes No
	AO1					Yes No
	AP1					Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

PV	AR	1	Cabral, B., et al., "Bidirectional Reflection Function from Surface Bump Maps," <i>Computer Graphics Proceedings, Annual Conference Series - SIGGRAPH '87</i> 21(4):273-281, Association for Computing Machinery, New York (July 1987).
PV	AS	1	Cohen-Or, D. and Shaked, A., "Visibility and Dead-Zones in Digital Terrain Maps," <i>Eurographics 95</i> , 14(3):171-180, Blackwell Publishers (1995).
PV	AT	1	Crocetta, L., et al., "Visibility in Digital Terrain Maps: A Fuzzy Approach," <i>14<sup>th</sup> Spring Conference on Computer Graphics</i> , pp. 257-266, Comenius University, Bratislava, Slovakia (April 1998).

EXAMINER

P. Nguyen

DATE CONSIDERED

9/18/05

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 <b>INFORMATION DISCLOSURE STATEMENT</b>	ATTY. DOCKET NO. 2188.0100001 (as amended)	APPLICATION NO. 09/923,398
	FIRST NAMED INVENTOR Hansong Zhang	
	FILING DATE August 8, 2001	ART UNIT 2671
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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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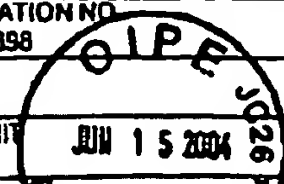
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	AO2						Yes No
	AP2						Yes No

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

PN	AR	2	De Floriani, L. and Magillo, P., "Algorithms for Visibility Computation on Digital Terrain Models," <i>Proceedings ACM Symposium on Applied Computing '93</i> , pp. 380-387, Association for Computing Machinery, New York (February 1993).
PN	AS	2	De Floriani, L. and Magillo, P., "Computing Visibility Maps on a Digital Terrain Model," <i>Spatial Information Theory - A Theoretical Basis for GIS</i> , pp. 248-269, Springer-Verlag, Berlin, Germany (1993).
PN	AT	2	De Floriani, L. and Magillo, P., "Visibility Algorithms on Triangulated Digital Terrain Models," <i>International Journal of Geographic Information Systems</i> 8(1):13-41, Taylor & Francis Ltd., London, England (January-February 1994).

EXAMINER <i>P. Nguyen</i>	DATE CONSIDERED 9/18/05
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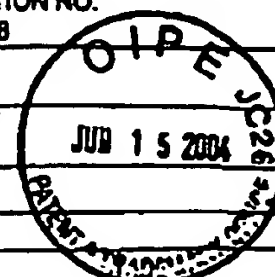
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

pn	AR	3	De Floriani, L. and Magillo, P., "Horizon Computation on a Hierarchical Triangulated Terrain Model," <i>The Visual Computer</i> 11(3):134-149, Springer-Verlag (1995).
pn	AS	3	Greene, N., et al., "Hierarchical Z-Buffer Visibility," <i>Computer Graphics Proceedings, Annual Conference Series - SIGGRAPH 93</i> , pp. 231-238, Association for Computing Machinery, New York (August 1993).
pn	AT	3	Lee, C.-H. and Shin, Y.G., "An Efficient Ray Tracing Method for Terrain Rendering," <i>Pacific Graphics '95</i> , pp. 180-193 (August 1995).

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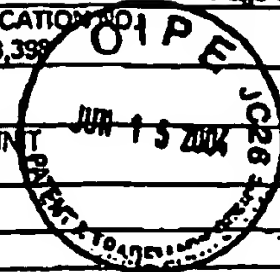
PN	AR	4	Max, Nelson L., "Shadows for Bump-Mapped Surfaces," <i>Advanced Computer Graphics - Proceedings of Computer Graphics Tokyo '86</i> , pp.144-156, Springer-Verlag, (1986).
PN	AS	4	Max, Nelson L., "Horizon Mapping: Shadows for Bump-Mapped Surfaces," <i>The Visual Computer</i> 4(2):109-117, Springer-Verlag, Berlin, Germany (July 1988).
PN	AT	4	Stewart, A. James, "Hierarchical Visibility in Terrains," <i>Eurographics Rendering Workshop</i> 1997, pp. 217-228, Springer, Vienna, Austria (1997).

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	AN5					Yes No
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	AP5					Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

PN	AR	5	Stewart, James A., "Fast Horizon Computation at All Points of a Terrain With Visibility and Shading Applications," <i>IEEE Transactions on Visualization and Computer Graphics</i> 4(1):82-93, IEEE (January-March 1998).
PN	AS	5	Teller, S.J. and Sequin, C.H., "Visibility Preprocessing For Interactive Walkthroughs," <i>Computer Graphics Proceedings, Annual Conference Series - SIGGRAPH '91</i> 25(4):61-69, Association for Computing Machinery SIGGRAPH (July 1991).
PN	AT	5	Trobec, T. et al., "Calculation of Visibility from Raster Relief Models," <i>14<sup>th</sup> Spring Conference on Computer Graphics</i> , pp. 257-266, Comenius University, Bratislava, Slovakia (April 1998).

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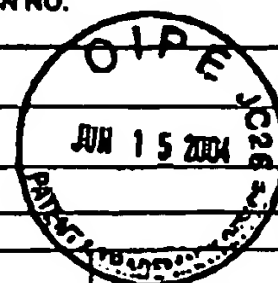
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	AN6						Yes
							No
	AO6						Yes
							No
	AP6						Yes
							No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

PV	AR	6	Zhang, H. et al., "Visibility Culling Using Hierarchical Occlusion Maps," Computer Graphics Proceedings, Annual Conference Series - SIGGRAPH '97, pp. 77-88 (August 1997).
	AS	6	
	AT	6	

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